



Vocabulary

climate	the average weather conditions in a place over a long period
weather	the day-to-day changes in temperature, rainfall and other atmospheric conditions
carbon dioxide (CO ₂)	a gas released by burning fossil fuels; it contributes to the greenhouse effect
greenhouse effect	the process by which gases in the Earth's atmosphere trap heat
fossil fuels	natural fuels such as coal, oil and gas formed from the remains of living organisms
carbon footprint	the amount of carbon dioxide released into the atmosphere by a person, organisation or activity
renewable energy	energy from sources that are naturally replenished, like solar and wind
bias	a one-sided or unfair preference that can affect how information is presented
sustainable	something that can be maintained over time without harming the environment
carbon neutral	not adding more carbon dioxide to the atmosphere; balancing emissions with removal or reduction

Truth or Fake?

- Look for bias or propaganda in articles.
- Cross-check with multiple sources.
- Check the source of the information and verify its accuracy.



Global Warming and Climate Change

Climate change (or global warming) is the process of our planet heating up.

Scientists estimate that since the Industrial Revolution, human activity has caused the Earth to warm by approximately 1°C. While that might not sound like much, it means big things for people and wildlife around the globe.

Unfortunately, rising temperatures do not just mean that we will get nicer weather. The changing climate will actually make our weather more extreme and unpredictable.

As temperatures rise, some areas will get wetter and lots of animals (and humans) could find they are not able to adapt to their changing climate.

Types of Renewable Energy

Renewable energy comes from natural resources like sunlight, wind, water and Earth's heat, which are naturally replenished and never run out. These "green energy" sources provide power for electricity and heat without creating greenhouse gases or pollution. Examples include solar panels harnessing the sun, wind turbines capturing wind, hydropower using moving water and geothermal energy from the Earth's heat.

solar wind hydro



geothermal biomass tidal